

Ice Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



U S C E N S U S B U R E A U

Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
312113, Ice manufacturing	2002..	426	492	6 193	155 688	2 792	4 892	50 083	485 123	109 848	595 487	'29 394
	2001..	N	N	5 927	147 329	2 785	5 010	51 906	435 792	145 238	583 534	25 968
	2000..	N	N	5 437	135 560	2 664	4 626	47 626	381 701	132 074	513 354	33 954
	1999..	N	N	5 183	128 656	2 484	4 161	45 808	334 360	123 593	458 575	30 688
	1998..	N	N	4 960	120 783	2 988	6 111	59 046	318 954	155 310	463 075	23 883
	1997..	514	581	5 252	117 631	2 907	5 972	54 853	296 086	127 771	424 906	33 527

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
312113, Ice manufacturing												
United States.....	2	492	89	6 193	155 688	2 792	4 892	50 083	485 123	109 848	595 487	'29 394
Alabama.....	2	12	4	141	3 455	57	116	1 415	9 126	2 741	11 900	'880
Arizona.....	1	13	2	116	2 760	51	88	995	9 462	2 804	12 347	'470
Indiana.....	1	13	4	231	6 606	91	145	1 920	19 722	4 711	24 413	'1 115
Michigan.....	—	20	3	205	4 720	87	225	1 371	18 057	3 968	22 010	'823
New York.....	8	24	1	157	4 206	93	173	1 900	13 111	3 371	16 554	'965
Ohio.....	—	11	6	252	5 944	107	158	1 666	23 208	3 828	26 954	'577
Pennsylvania.....	1	18	3	198	5 442	88	130	1 484	15 821	3 357	19 152	'1 866
Texas.....	1	41	9	763	15 978	204	403	3 834	51 542	9 149	60 738	'2 574
Virginia.....	—	12	3	210	5 883	85	148	1 276	18 576	4 308	22 938	'1 065

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
312113, Ice manufacturing	
Companies ¹	number.. 426
All establishments ²	number.. 492
Establishments with 1 to 19 employees	number.. 403
Establishments with 20 to 99 employees	number.. 84
Establishments with 100 employees or more	number.. 5
All employees ³	number.. 6 193
Total compensation	\$1,000.. 183 416
Annual payroll	\$1,000.. 155 688
Total fringe benefits	\$1,000.. 27 728
Production workers, average for year	number.. 2 792
Production workers on March 12	number.. 2 351
Production workers on May 12	number.. 2 941
Production workers on August 12	number.. 3 360
Production workers on November 12	number.. 2 483
Production worker hours	1,000.. 4 892
Production worker wages	\$1,000.. 50 083
Total cost of materials	\$1,000.. 109 848
Materials, parts, containers, packaging, etc., used	\$1,000.. 59 764
Resales	\$1,000.. 11 447
Purchased fuels	\$1,000.. 1 854
Purchased electricity	\$1,000.. 33 438
Contract work	\$1,000.. 3 345
Quantity of electricity purchased for heat and power	1,000 kWh.. 509 281
Quantity of electricity generated less sold for heat and power	1,000 kWh.. S
Total value of shipments	\$1,000.. 595 487
Primary products value of shipments	\$1,000.. 573 865
Secondary products value of shipments	\$1,000.. -
Total miscellaneous receipts	\$1,000.. 21 622
Value of resales	\$1,000.. 16 213
Contract receipts	\$1,000.. 849
Other miscellaneous receipts	\$1,000.. 4 560
Primary products specialization ratio	percent.. 100
Value of primary products shipments made in all industries	\$1,000.. 583 061
Value of primary products shipments made in this industry	\$1,000.. 573 865
Value of primary products shipments made in other industries	\$1,000.. 9 196
Coverage ratio	percent.. 98
Value added	\$1,000.. 485 123
Total inventories, beginning of year	\$1,000.. 12 904
Finished goods inventories	\$1,000.. 4 763
Work-in-process inventories	\$1,000.. 435
Materials and supplies inventories	\$1,000.. 7 706
Total inventories, end of year	\$1,000.. 13 228
Finished goods inventories	\$1,000.. 4 430
Work-in-process inventories	\$1,000.. 252
Materials and supplies inventories	\$1,000.. 8 546
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. '394 831
Total capital expenditures (new and used)	\$1,000.. '29 394
Buildings and other structures (new and used)	\$1,000.. '2 305
Machinery and equipment (new and used)	\$1,000.. '27 089
Automobiles, trucks, etc., for highway use	\$1,000.. '5 701
Computers and peripheral data processing equipment	\$1,000.. '1 669
All other expenditures for machinery and equipment	\$1,000.. '19 719
Total retirements	\$1,000.. '8 952
Gross value of depreciable assets at end of year	\$1,000.. '415 273
Depreciation charges during year	\$1,000.. '24 881
Total rental payments	\$1,000.. 18 698
Buildings and other structures	\$1,000.. 7 912
Machinery and equipment	\$1,000.. 10 786
Total other expenses ⁴	\$1,000.. 33 372
Response coverage ratio ⁵	percent.. 69
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 4 921
Communications services ⁴	\$1,000.. 3 417
Legal services ⁴	\$1,000.. 76
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 2 391
Advertising and promotional services ⁴	\$1,000.. 837
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 445
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 721
Management consulting and administrative services ⁴	\$1,000.. 278
Taxes and license fees ⁴	\$1,000.. 2 815
All other expenses ⁴	\$1,000.. 17 425

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
312113, Ice manufacturing											
All establishments	2	492	6 193	155 688	2 792	4 892	50 083	485 123	109 848	595 487	'29 394
Establishments with—											
1 to 4 employees	8	247	450	11 941	266	398	4 130	38 000	8 250	46 203	D
5 to 9 employees	3	62	426	11 197	232	412	4 762	33 235	7 771	41 046	'2 328
10 to 19 employees	2	94	g	D	D	D	D	D	D	D	'6 664
20 to 49 employees	1	68	1 965	50 729	842	1 335	14 911	163 266	35 503	199 220	'9 487
50 to 99 employees	—	16	954	24 838	337	694	6 789	78 184	17 711	96 012	'4 869
100 to 249 employees	5	4	632	14 600	166	360	3 356	48 513	10 239	58 673	'2 458
250 to 499 employees	—	1	e	D	D	D	D	D	D	D	D
500 to 999 employees	—	—	—	—	—	—	—	—	—	—	—
1,000 to 2,499 employees	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	236	638	17 572	318	519	5 212	56 023	12 407	68 288	'2 868

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
312113	Ice manufacturing	492	6 193	155 688	2 792	4 892	50 083	485 123	109 848	595 487	'29 394
3121130	Ice manufacturing	492	6 193	155 688	2 792	4 892	50 083	485 123	109 848	595 487	'29 394

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
312113	Ice manufacturing	2002.. N 1997.. N	X X	X X	583 061 406 254
3121130	Ice manufacturing	2002.. N 1997.. N	X X	X X	583 061 406 254
31211301	Ice manufacturing	2002.. N 1997.. N	X X	X X	423 606 304 594
3121130111	Manufactured can or block ice	2002.. 50 1997.. 45	X X	S 345.5	53 514 34 722
3121130121	Manufactured cubed, crushed, or other processed ice	2002.. 118 1997.. 146	X X	S 2 211.2	370 092 269 872
3121130Y	Ice manufacturing, nsk, total	2002.. N 1997.. N	X X	X X	159 455 101 660
3121130YWW	Ice manufacturing, nsk, for nonadministrative-record establishments	2002.. N 1997.. N	X X	X X	91 733 51 906
3121130YWY	Ice manufacturing, nsk, for administrative-record establishments	2002.. N 1997.. N	X X	X X	67 722 49 754

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Not applicable for this report.]

Table 7. **Materials Consumed by Kind: 2002 and 1997**

[Not applicable for this report]